

DECLARATION, POWER OF ATTORNEY AND PETITION

As below named inventors, we hereby declare: that our residences, post office addresses and citizenship is as stated below next to our names; that we verily believe we are the original, first and second inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled AN INTRINSIC PAVEMENT TRANSMITTER AND ANTENNA, the specification of which is attached hereto; that we have reviewed and understand the contents of the above-identified specification, including the claims, and that we acknowledge the duty to disclose information which is material to patentability as defined in § 1.56(a) of Title 37 of the Code of Federal Regulations.

We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

We hereby appoint as our attorneys and/or patent agents the law firm of JONES, WALDO, HOLBROOK & McDONOUGH, having a business address of 1500 Wells Fargo Plaza, 170 South Main Street, Salt Lake City, Utah 84101-1644, and MICHAEL W. STARKWEATHER, Registration No. 34,441, BRENT T. WINDER, Registration No. 46,250, all with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

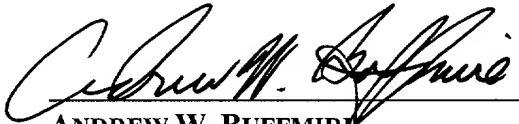
All correspondence concerning this application should be directed to:

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170 South Main Street
Salt Lake City, Utah 84101-1644
Telephone: (801) 521-3200
Facsimile: (801) 328-0537

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at Berwyn, PA, this 11th day of August,
2001.

FIRST INVENTOR:

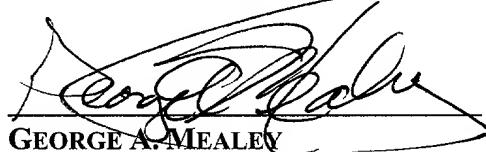


ANDREW W. BUFFMIRE

Residence: (City, State): Berwyn, Pennsylvania 19312
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Post Office Address: 2030 St. Andrews Drive
Berwyn, Pennsylvania 19312

Signed at Salt Lake City, Utah, this 11 day of August,
2001.

SECOND INVENTOR:



GEORGE A. MEALEY

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**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN**
Docket Number (Optional)
13293.0001Applicant, Patentee, or Identifier: Andrew W. Buffmire and George A. Mealey

Application or Patent No.: _____

Filed or Issued: 17 August 2001Title: An Intrinsic Pavement Transmitter and Antenna

I hereby state that I am

- the owner of the small business concern identified below:
 an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN Asphalt Technologies, Inc.ADDRESS OF SMALL BUSINESS CONCERN Attn: Jeffrey W. Shields; 170 South Main Street, Ste. 1500
Salt Lake City, Utah 84101

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

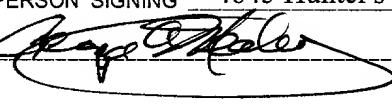
- the specification filed herewith with title as listed above.
 the application identified above.
 the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization having any rights in the invention is listed below:
 no such person, concern, or organization exists.
 each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING George A. MealeyTITLE OF PERSON IF OTHER THAN OWNER PresidentADDRESS OF PERSON SIGNING 4645 Hunter's Ridge Circle, Salt Lake City, Utah 84124SIGNATURE DATE 17 August 2001